1 M 0.529 \*

2 A 0.529 \*

3 S 0.648

4 K 0.426

5 P 0.882

6 Q 0.726

7 P 0.884

8 I 0.769

9 A 0.801

10 A 0.812

11 A 0.812

12 N 0.995

13 W 0.909

14 K 0.962

15 C 0.679

16 N 0.995

17 G 0.835

18 S 0.510

19 E 0.553

20 S 0.401

21 L 0.481

22 L 0.526

23 V 0.317

24 P 0.640

25 L 0.664

26 I 0.550

27 E 0.362

28 T 0.663

29 L 0.859

30 N 0.888

31 A 0.591

32 A 0.691

33 T 0.305

34 F 0.426

35 D 0.604

36 H 0.372

37 D 0.429

38 : 0.529 \*

39 : 0.529 \*

40 V 0.645

41 Q 0.671

42 C 0.829

43 V 0.930

44 V 0.545

45 A 0.594

46 P 0.893

47 T 0.889

48 F 0.498

49 L 0.321

50 H 0.808

51 I 0.664

52 P 0.595

53 M 0.504

54 T 0.509

55 K 0.625

56 A 0.541

57 R 0.462

58 L 0.850

59 T 0.529 \*

60 N 0.455

61 P 0.584

62 K 0.467

63 F 0.477

64 Q 0.321

65 I 0.611

66 A 0.691

67 A 0.798

68 Q 0.994

69 N 0.995

70 A 0.669

71 I 0.723

72 : 0.596

73 T 0.532

74 R 0.408

75 S 0.453

76 G 0.944

77 A 0.909

78 F 1.001

79 T 0.983

80 G 0.944

81 E 0.962

82 V 0.559

83 S 0.873

84 L 0.562

85 Q 0.391

86 I 0.811

87 L 0.601

88 K 0.849

89 D 0.883

90 Y 0.430

91 G 0.944

92 I 0.580

93 S 0.406

94 W 1.013

95 V 0.930

96 V 0.644

97 L 0.963

98 G 0.944

99 H 1.017

100 S 0.979

101 E 0.962

102 R 0.999

103 R 0.999

104 L 0.592

105 Y 0.484

106 : 0.529 \*

107 : 0.529 \*

108 Y 0.703

109 G 0.735

110 E 0.962

111 T 0.768

112 N 0.796

113 E 0.546

114 I 0.577

115 V 0.762

116 A 0.601

117 E 0.505

118 K 0.962

119 V 0.535

120 A 0.475

121 Q 0.638

122 A 0.909

123 C 0.861

124 A 0.419

125 : 0.529 \*

126 A 0.514

127 G 0.837

128 F 0.642

129 H 0.592

130 V 0.930

131 I 0.858

132 V 0.492

133 C 1.017

134 V 0.762

135 G 0.944

136 E 0.962

137 T 0.592

138 N 0.859

139 E 0.706

140 E 0.857

141 R 0.890

142 E 0.853

143 A 0.802

144 G 0.944

145 R 0.414

146 T 0.983

147 A 0.350

148 A 0.452

149 V 0.930

150 V 0.726

151 L 0.497

152 T 0.533

153 Q 0.994

154 L 0.604

155 A 0.481

156 A 0.629

157 V 0.562

158 A 0.581

159 Q 0.612

160 K 0.519

161 L 0.484

162 S 0.529 \*

163 K 0.529 \*

164 E 0.635

165 A 0.766

166 W 1.013

167 S 0.658

168 R 0.549

169 V 0.822

170 V 0.930

171 I 0.495

172 A 0.909

173 Y 1.013

174 E 0.962

175 P 0.995

176 V 0.930

177 W 1.013

178 A 0.909

179 I 0.971

180 G 0.944

181 T 0.983

182 G 0.944

183 K 0.750

184 V 0.591

185 A 0.909

186 T 0.876

187 P 0.884

188 Q 0.530

189 Q 0.888

190 A 0.909

191 Q 0.885

192 E 0.753

193 V 0.822

194 H 1.017

195 E 0.669

196 L 0.389

197 L 0.656

198 R 0.999

199 R 0.350

200 W 0.822

201 V 0.850

202 R 0.545

203 S 0.564

204 K 0.724

205 L 0.516

206 G 0.673

207 T 0.555

208 D 0.333

209 I 0.707

210 A 0.802

211 A 0.426

212 Q 0.651

213 L 0.713

214 R 0.999

215 I 0.971

216 L 0.612

217 Y 1.013

218 G 0.944

219 G 0.944

220 S 0.979

221 V 0.815

222 T 0.773

223 A 0.530

224 K 0.592

225 N 0.733

226 A 0.669

227 R 0.523

228 T 0.666

229 L 0.859

230 Y 0.590

231 Q 0.444

232 M 0.637

233 R 0.777

234 D 0.883

235 I 0.637

236 N 0.883

237 G 0.944

238 F 1.001

239 L 0.963

240 V 0.930

241 G 0.944

242 G 0.944

243 A 0.909

244 S 0.979

245 L 0.862

246 K 0.962

247 P 0.995

248 E 0.752

249 F 1.001

250 V 0.715

251 E 0.682

252 I 0.971

253 I 0.858

254 E 0.782

255 A 0.714

256 T 0.462

257 K 0.502

258 : 0.529 \*

259 : 0.529 \*

260 : 0.529 \*

261 : 0.529 \*

262 : 0.529 \*

263 : 0.529 \*

264 : 0.529 \*

\* gap fraction no less than 0.50; conservation set to M-S

M: mean; S: standard deviation

AL2CO parameters are:

Input alignment file: QUERY\_8yQK3Y

Output conservation file: QUERY\_8yQK3Y.csv.txt

Output alignment file with index: QUERY\_8yQK3Y.csv.aln; Block size: 70

Weighting scheme: unweighted

Conservation calculation method: variance-based

Window size: 1

Conservation not normalized

Gap fraction to suppress calculation: 0.50